

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L36	19	("5557603"   "5691729"   "5722049"   "5757318"   "5854813"   "5894598"   "5907809"   "5907816"   "5912927"   "5917446"   "5924020"   "5933446").PN. OR ("6377783").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/28 15:42
L37	4	"5073930".pn. "5220419".pn. "5339454".pn. "6434374".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/28 15:43
L38	4	"4931802".pn. "5184084".pn. "5881369".pn. "6295282".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/28 15:47
L39	2	"4705967".pn. "5852662".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/28 15:47
S1	1	10/734604	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:49
S2	144	455/140.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:50
S3	4196488	@ad<"20021211" or @rlad<"20021211"	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:50
S4	79	S2 and S3	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:50
S5	62	S4 and switch\$4	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:58
S6	26577	switch\$4 with impedance	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:59
S7	1610	455/131-140.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/23 14:59
S8	32	S6 and S7 and S3	US-PGPUB; USPAT	OR	OFF	2006/03/23 15:27
S9	91814	(amp or amplifier) with switch\$4	US-PGPUB; USPAT	OR	ON	2006/03/23 15:27
S10	184	S7 and S9 and S3	US-PGPUB; USPAT	OR	ON	2006/03/23 15:31
S11	43	S10 and differential	US-PGPUB; USPAT	OR	ON	2006/03/23 15:36
S12	3820	S9 with impedance	US-PGPUB; USPAT	OR	ON	2006/03/23 15:35
S13	1561	S12 and differential	US-PGPUB; USPAT	OR	ON	2006/03/23 15:39
S14	340	S12 with differential	US-PGPUB; USPAT	OR	ON	2006/03/23 15:38

## EAST Search History

S15	19	S14 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/23 15:39
S16	88	S13 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/23 15:39
S17	69	S16 not S15	US-PGPUB; USPAT	OR	ON	2006/03/23 15:39
S18	66	("3130401"   "3332080"   "3495248"   "3525979"   "3581073"   "3946393"   "3981440"   "4097922"   "4137531"   "4215346"   "4435711"   "4525865"   "4533917"   "4658359"   "4694484"   "4843399"   "4984295"   "5019910"   "5052049"   "5117422"   "5144314"   "5165055"   "5220557"   "5317316"   "5323332"   "5334982"   "5390360"   "5471509"   "5488356"   "5533072"   "5584051"   "5590404"   "5604927").PN. OR ("6072994"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/23 16:16
S19	537	((low near noise near amplifier) or LNA) same (low or high) near4 impedance	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:17
S20	331	((low near noise near amplifier) or LNA) with ((low or high) near4 impedance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:18
S21	242	S20 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:18
S22	95	S20 same (switch\$3 or transconductance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:46
S23	66	S22 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:19
S24	532	455/553.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:56
S25	113	S9 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:57
S26	31	S25 and impedance	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:57

## EAST Search History

S27	18	("4723306"   "5541554"   "5661434"   "5774017"   "5969582"   "5973557"   "6078794"   "6091966"   "6188877"   "6195536"   "6215359"   "6243566").PN. OR ("6317608").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/23 16:54
S28	1049	455/552.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:56
S29	185	S9 and S28	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:57
S30	145	S29 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:57
S31	41	S30 and impedance	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 16:57
S32	1	"20040122840"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:44
S33	301	455/3.02.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:44
S34	299	S33 and "3"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:44
S35	4196488	@ad<"20021211" or @rlad<"20021211"	US-PGPUB; USPAT	OR	OFF	2006/03/27 11:44
S36	229	S33 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 11:44
S37	121	S36 and (amp or amplifier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:21
S38	11	("5584051"   "5689245"   "5719573"   "5898680"   "5907299"   "5926751"   "6078622"   "6081691"   "6097974"   "6218972"   "6292232").PN. OR ("6999716").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 11:53

## EAST Search History

S39	19	("20040110463"   "20040110466"   "20040110468"   "2546840"   "3758882"   "3768888"   "4523180"   "4686537"   "4920351"   "5038150"   "5555257"   "5568158"   "5619503"   "5724050"   "5812947"   "5848060"   "6483472"   "6535169").PN. OR ("6931245").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 11:59
S40	89	("2959644"   "3163820"   "3825837"   "3836969"   "3995111"   "4021737"   "4038600"   "4286262"   "4291409"   "4291410"   "4502051"   "4532635"   "4535476"   "4560945"   "4588958"   "4630058"   "4640987"   "4652884"   "4660196"   "4685133"   "4712250"   "4720873"   "4731866"   "4742410"   "4801940"   "4823341"   "4829570"   "4831619"   "4879711"   "4901307"   "4908847"   "4910792"   "4943808"   "5015965"   "5017926"   "5036523"   "5038341"   "5048118"   "5073900"   "5093839"   "5126748"   "5138275"   "5148452"   "5153598"   "5155494"   "5175557"   "5203018"   "5233626"   "5239670"   "5251328"   "5274840"   "5278863"   "5283780"   "5303393"   "5319673"   "5319716"   "5326054"   "5345244"   "5349606"   "5408686"   "5408699"   "5433726"   "5439190"   "5448757"   "5485485"   "5500856"   "5507454"   "5508756"   "5509028"   "5526284"   "5535430"   "5551065"   "5582367"   "5592471"   "5600333"   "5613194"   "5628049"   "5641134"   "5652765"   "5669585"   "5678175"   "5794138"   "5867794").PN. OR ("6023616").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:10
S41	117684	(amp or amplifier) with (switch\$3 or transconductance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:10
S42	16	S40 and S41	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:11
S43	44	("5278863"   "5319673").PN. OR ("5485485").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:15

## EAST Search History

S44	3	S43 and S41	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:20
S45	262	455/188.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:20
S46	139	S45 and S35	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:21
S47	107	S46 and (amp or amplifier)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 12:21
S48	13	("5694414"   "5901349"   "5924019"   "6069923"   "6075996"   "6112059").PN. OR ("6584304"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:25
S49	37	("3940697"   "4352203"   "4598422"   "4672640"   "4881272"   "4939789"   "4972509"   "4978944"   "5003621"   "5027430"   "5091921"   "5280636"   "5557642"   "5564076"   "5579347"   "5926751").PN. OR ("6029052"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 12:30
S50	27	("4322856"   "4509198"   "4592093"   "4596045"   "4633188"   "4726072").PN. OR ("5027430"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/27 13:51
S51	117684	(amp or amplifier) with (switch\$3 or transconductance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:53
S52	13348	S51 same impedance	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:52
S53	4196488	@ad<"20021211" or @rlad<"20021211"	US-PGPUB; USPAT	OR	OFF	2006/03/27 13:52
S54	504	S52 and S53 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:53
S55	100956	(amp or amplifier) with (switch\$2 or transconductance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:53
S56	11120	S55 same impedance	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:53
S57	408	S56 and S53 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:55

## EAST Search History

S58	2817	S56 same (mix\$3 or translat\$3 or conver\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:54
S59	126	S58 and S53 and "455"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 13:55
S60	28283	(switch\$3 or transconduct\$5) with (current near2 source)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:56
S61	100956	(amp or amplifier) with (switch\$2 or transconductance)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/27 14:27
S62	7163	S60 and S61	US-PGPUB; USPAT	OR	OFF	2006/03/27 14:27
S63	3051	S60 same S61	US-PGPUB; USPAT	OR	OFF	2006/03/27 14:27
S64	645	S63 same (mix3 or translat\$4 or conver\$5 or multipl\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/27 14:28
S65	4196488	@ad<"20021211" or @rlad<"20021211"	US-PGPUB; USPAT	OR	OFF	2006/03/27 14:28
S66	560	S64 and S65	US-PGPUB; USPAT	OR	OFF	2006/03/27 14:29
S67	18	S66 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/27 15:18
S68	15192	(switch\$3 or transconduct\$5) near4 (current near2 source)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:56
S69	2307	S68 same (amp or amplifier)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:57
S70	4196488	@ad<"20021211" or @rlad<"20021211"	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:57
S71	53	S69 and S70 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:57